Approved for use through 10/31/2002. OMB 0651-0032

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## UTILITY PATENT APPLICATION TRANSMITTAL

| Attorney Docket No. |   | 20310         |  |  |  |  |
|---------------------|---|---------------|--|--|--|--|
| First Inventor      |   | Rati M. Patel |  |  |  |  |
| Title               | THERMAL MANAGEMENT MATERIAL FOR CIRCUI BOARDS |               |  |  |  |  |

Signature

| (Only for new nonprovisiona  | al applications und r 37 CFR 1.53(b))   | Express Mail Label No. EL963432015US  |  |  |
|--|---|---|--|--|
| APPLICAT   | ION ELEMENTS  | ADDRESS TO: Assistant Commission r for Patents Box Patent Application   |  |  |
|  | ming utility patent application contents  | <del></del>   |  |  |
| 1. Fee Transmittal Fon (Submit an original and a du) 2. Applicant claims sm. See 37 CFR 1.27. 3. Specification (preferred arrangement st Descriptive title of - Cross Reference - Statement Regam - Reference to sequor a computer pro - Background of th - Brief Summary of - Brief Description - Detailed Descript - Claim(s) - Abstract of the D 4. Drawing(s) (35 U.S. 5. Oath or Declaration  a. Newly execute Copy from a p. (for continuation in DELETIC Signed states  | m (e.g., PTO/SB/17)  plicate for fee processing)  pall entity status.  [Total Pages 15 ]  pet forth below)  of the invention  to Related Applications  ding Fed sponsored R & D  puence listing, a table,  ogram listing appendix  ne Invention  of the Invention  of the Drawings (if filed)  tion  Disclosure  S.C. 113) [Total Sheets  [Total Pages 15]  ted (original or copy)  prior application (37 CFR 1.63 (d))  on/divisional with Box 18 completed)  ON OF INVENTOR(S)  ement attached deleting inventor(s) | 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  a. Computer Readable Form (CRF)  b. Specification Sequence Listing on:  i. CD-ROM or CD-R (2 copies); or  ii. paper  c. Statements verifying identity of above copies  ACCOMPANYING APPLICATION PARTS  9. Assignment Papers (cover sheet & document(s))  10. 37 CFR 3.73(b) Statement (when there is an assignee)  11. English Translation Document (if applicable)  12. Mention Disclosure Statement (IDS)/PTO-1449  13. Preliminary Amendment  14. Preliminary Amendment  15. Certified Copy of Priority Document(s) (if foreign priority is claimed) |  |  |
| 1.63(d)(2) a   | ne prior application, see 37 CFR and 1.33(b).  Sheet. See 37 CFR 1.76   | Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.  17. Other: Certificate of Mailing under 37CFR1.8  |  |  |
| 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation-in-part (CIP) Of prior application No.:/_  Prior application information: Examiner: Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. |   |   |  |  |
| The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS  |   |   |  |  |
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| Country  |   | Telephone Fax   |  |  |
| Name (Print/Type)  | Richard L. Marsh  | Registration No. (Attorney/Agent) 31,637  |  |  |
| Signature  | Della CAMI  | Date 11/22/2003   |  |  |

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# Assistant Commissioner for Patents Washington, D.C. 20231

Utility application of Patel, et al., Thermal Management Material for Circuit Boards and Methods of Making, non-provisional of Provisional 60/471,154

| on 22 November 2003 |                      | EL963432015US                      |  |  |
|---------------------|----------------------|------------------------------------|--|--|
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|                     |                      |                                    |  |  |
|                     | Richard L. M         | larsh                              |  |  |
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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

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|-------------------------------|---|--|--|
| Complete if Known             |   |  |  |
| Application Number            |   |  |  |
| Filing Date                   |   |  |  |
| First Named Inventor          | Rati M. Patel   |  |  |
| Examiner Name                 |   |  |  |
| Art Unit                      |   |  |  |
| Attorney Docket No.           | 20310   |  |  |

| METHOD OF PAYMENT (check all that apply)  |                          | FEE CALCULATION (continued) |              |             |   |          |
|---|--------------------------|-----------------------------|--------------|-------------|---|----------|
| Check Credit card Money Other None  | 3. A                     | DDITI                       | ONAL         | FEE         | S   |          |
| Order - Order   | Large !                  | Entity                      | Small        | Entity      |   |          |
| Deposit Account:  | Fee<br>Code              | Fee<br>(\$)                 |              | Fee<br>(\$) | Fee Description   | Fee Paid |
| Deposit<br>Account  | 1051                     | 130                         | 2051         |             | Surcharge - late filing fee or oath   |          |
| Number<br>Deposit   | 1052                     | 50                          | 2052         |             | Surcharge - late provisional filing fee or                                    |          |
| Account   |                          |                             |              |             | cover sheet   |          |
| Name The Director is authorized to: (check all that apply)  | 1053                     | 130                         | 1053         |             | Non-English specification   |          |
| Charge fee(s) indicated below Credit any overpayments   |                          | 2,520                       | 1812 2       | •           | For filing a request for ex parte reexamination                               |          |
| Charge any additional fee(s) during the pendency of this application                                    | 1804                     | 920*                        | 1804         | 920*        | Requesting publication of SIR prior to<br>Examiner action                     |          |
| Charge fee(s) indicated below, except for the filing fee  | 1805                     | 1,840*                      | 1805         | 1,840*      | Requesting publication of SIR after<br>Examiner action                        |          |
| to the above-identified deposit account.  | 1251                     | 110                         | 2251         | 55          | Extension for reply within first month  |          |
| FEE CALCULATION   | 1252                     | 410                         | 2252         | 205         | Extension for reply within second month                                       | <u> </u> |
| 1. BASIC FILING FEE   | 1253                     | 930                         | 2253         | 465         | Extension for reply within third month  |          |
| Large Entity Small Entity Fee Fee Fee Fee Fee Paid Fee Paid   | 1254                     | 1,450                       | 2254         | 725         | Extension for reply within fourth month                                       |          |
| Code (\$) Code (\$)   | 1255                     | 1,970                       | 2255         | 985         | Extension for reply within fifth month  | <b>├</b> |
| 1001 750 2001 375 Utility filing fee 385.00   | 1401                     | 320                         | 2401         | 160         | Notice of Appeal  |          |
| 1002 330 2002 165 Design filing fee   | 1402                     | 320                         | 2402         |             | Filing a brief in support of an appeal  |          |
| 1003 520 2003 260 Plant filing fee<br>1004 750 2004 375 Reissue filing fee                              | 1403                     | 280                         | 2403         |             | Request for oral hearing  |          |
|   |                          | 1,510                       | 1451         |             | Petition to institute a public use proceeding                                 |          |
|   | 1452                     |                             | 2452         | •           | Petition to revive - unavoidable  |          |
| SUBTOTAL (1) (\$) 385.00  |                          | 1,300                       | 2453         |             | Petition to revive - unintentional  |          |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE   |                          | 1,300                       | 2501         |             | Utility issue fee (or reissue)  |          |
| Fee from Extra Claims below Fee Paid  |                          | -                           | 2502         |             | Design issue fee  |          |
| Total Claims20** = X =  | 1503                     | 630                         | 2503         | 315         | Plant issue fee   |          |
| Independent 3** = X =   | 1460                     | 130                         | 1460         | 130         | Petitions to the Commissioner   |          |
| Multiple Dependent =  | 1807                     | 50                          | 1807         | 7 50        | Processing fee under 37 CFR 1.17(q)   |          |
| Large Entity   Small Entity   | 1806                     | 180                         | 1806         | 180         | Submission of Information Disclosure Stmt                                     |          |
| Fee Fee Fee Fee <u>Fee Description</u> Code (\$)  | 8021                     | 40                          | 802          | 1 40        | Recording each patent assignment per property (times number of properties)    |          |
| 1202 18 2202 9 Claims in excess of 20<br>1201 84 2201 42 Independent claims in excess of 3              | 1809                     | 750                         | 2809         | 375         | 5 Filing a submission after final rejection<br>(37 CFR 1.129(a))              |          |
| 1201 84 2201 42 Independent daims in excess of 3 1203 280 2203 140 Multiple dependent daim, if not paid | 1810                     | 750                         | 2810         | 375         | 5 For each additional invention to be   |          |
| 1204 84 2204 42 ** Reissue independent claims   |                          |                             | 2004         | 27.         | examined (37 CFR 1.129(b))  |          |
| over original patent  | 180                      |                             | 2801<br>1802 | 375         | 5 Request for Continued Examination (RCE) 0 Request for expedited examination | $\vdash$ |
| 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent                               | 1802                     | 900                         | 1002         | 30          | of a design application   | <b></b>  |
|   | Othe                     | Other fee (specify)         |              |             |   | <u> </u> |
| **or number previously paid, if greater; For Reissues, see above  | *Red                     | luced b                     | y Basic      | Filing F    | Fee Paid SUBTOTAL (3) (\$)  |          |
|   | (Complete (if equireble) |                             |              |             |   |          |
| SUBMITTED BY  Name (Print/Fine) Pichard   March   |                          | Registr                     | ation No     | ). 31       | 637 Telephone 417/887-8441  |          |

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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### NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)

| First Named Inventor |            | Patel, et al.                       |
|----------------------|------------|-------------------------------------|
| Title                | Thermal Ma | nagement Material for Circuit Board |
| Atty Docket Number   |            | 20310                               |

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

22 November 2003

Date

Richard L. Marsh

Signature

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application upon filing.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).

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